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| Substitute Form PTO-1449 (Modified) | U.S. Department of Commerce Patent and Trademark Office | Attorney's Docket No. 10559-286001 | Application No. 09/704,467 | | | |
|-------------------------------------|------------------------------------------------------------|------------------------------------|----------------------------|--|--|--|
| | closure Statemen P P P P P P P P P | Applicant Charles P. Roth et al. | | | | |
| (Use several s | pplicant heets if necessary) MAY 2 7 2003 | Filing Date October 31, 2000 | Group Art Unit | | | |
| | (3) | | | | | |
| | U.S. Patent Documents | | | | | |

| | U.S. Patent Documents | | | | | | |
|---------------------|-----------------------|--------------------|---------------------|-----------------|-------|-------------|----------------------------|
| Examiner Initial | Desig. ID | Document Number | Publication Date | Patentee | Class | Subclass | Filing Date If Appropriate |
| 1 d | AA | 4 858 105 | Aug 15, 1989 | Kuriyama et al. | | | |
| A. A. | AB | 6 065 108 | May 16, 2000 | Tremblay et al. | | | |
| tel | AC | 5 941 980 | Aug 24, 1999 | Shang et al. | | | |
| 71 | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | · | |
| | AG | | | | | | |
| | AH | | | | | RECEIVED | |
| | AI | | | | | MAY 2 | 9 2003 |
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| Foreign Patent Documents or Published Foreign Patent Applications | | | | | | | | |
|-------------------------------------------------------------------|--------|-----------|--------------|---------------|-------|----------|-------|--------|
| Examiner | Desig. | Document | Publication | Country or | | | Trans | lation |
| Initial 1 | ID | Number | Date | Patent Office | Class | Subclass | Yes | No |
| JU/ | AL | 0 417 013 | Mar 13, 1991 | Europe | | | | |
| -1-0 | AM | | | | | | | |
| • | AN | | | | | | | |
| | AO | | | | | | | |
| | AP | <u> </u> | | | | | | |

| Other Documents (include Author, Title, Date, and Place of Publication) | | | | |
|-------------------------------------------------------------------------|--------|----------|--|--|
| Examiner | Desig. | | | |
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| | AQ | | | |
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| Examiner signature | Date Considered | | | | |
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| Simile H. Li | 9-4-2003 | | | | |
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